

In re Application of: HULLENDER et al.
Serial No. 09/528,889

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U.S. Patent and
Trademark Office

providing a primary recognizer for converting chirographs to shape indexes, the primary recognizer providing output including a shape index when a chirograph is input thereto;

providing a plurality of secondary recognizers to convert chirographs into code points, and associating the secondary recognizers with at least some of the shape indexes;

receiving a chirograph;

providing the chirograph to the primary recognizer and receiving a shape index therefrom, the primary recognizer providing the shape index without making any decision as to whether that chirograph is of a set of easily confused chirographs; and

determining whether one of the secondary recognizers is associated with the shape index, and if so, selecting that secondary recognizer as a selected secondary recognizer and passing the chirograph to the selected secondary recognizer, the secondary recognizer returning a code point.

526
SFI

7. (Twice Amended) A method of recognizing a chirograph input into a computer system, comprising:

receiving a chirograph;

providing the chirograph to a primary recognizer to make a first decision as to a shape index that corresponds to the chirograph; and

without the primary recognizer making a decision as to whether that chirograph is of a set of easily confused chirographs:

In re Application of: HULLENDER et al.
Serial No. 09/528,889

selecting a secondary recognizer based on the shape index;
providing the chirograph to the secondary recognizer; and
returning the recognition result from the secondary recognizer.

SDP 81 13. (Thrice Amended) A system for recognizing chirographs input into a computing device, comprising:

a primary recognizer configured to determine a shape index from a chirograph;
a plurality of secondary recognizers, each secondary recognizer corresponding to at least one shape index;

an interface configured to receive a chirograph and provide it to the primary recognizer, the primary recognizer providing a shape index corresponding to the chirograph without making any decision as to whether that chirograph is of a set of easily confused chirographs;

a selection mechanism that selects a selected secondary recognizer based on the shape index; and

the selected secondary recognizer determining a recognition result from the chirograph and returning the recognition result.

In re Application of: HUI, LENDER et al.
Serial No. 09/528,889

SJF 18. (Twice Amended) A computer-readable medium having computer-executable instructions, comprising:
receiving a chirograph;
providing the chirograph to a primary recognizer and receiving recognition information therefrom; and
without the primary recognizer making a decision as to whether that chirograph is of a set of easily confused chirographs
determining whether the recognition information corresponds to a recognized result or has a value indicative of a CART tree being associated therewith; and
if the recognition information corresponds to a recognized result, returning the recognized result, and if the recognition information has the value indicative of the CART tree being associated therewith, providing chirograph information to the CART tree and returning a recognition result therefrom.

REMARKS

The Office action dated August 27, 2002, which was made final, has been carefully considered. In the Office action, claims 1, 2, 7, 8, 12, 20, 21 and 23 were rejected under 35 U.S.C. 103(a) as being unpatentable over Pintsov, U.S. Patent No. 5,881,172 (hereinafter Pintsov). Claims 19 and 22 were rejected under 35 U.S.C. 103(a) as being unpatentable over Pintsov in view of Shimuzu et al., U.S. Patent No. 6,038,343